AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1-2. (Cancelled).

3. (Previously Presented) A transmission diversity type transmitter comprising:

plural transmission units, each transmission unit comprising a delay circuit for delaying a signal and a detector for detecting an RF signal which is based on the signal delayed by said delay circuit, the RF signal transmitting from each transmission unit;

a comparator for receiving detection signals output from two detectors of two transmission units of said plural transmission units, comparing the detection signals and outputting a comparison signal; and

a delay amount control circuit for controlling said delay circuits on the basis of the comparison signal so that modulation timing of RF signals to be transmitted from said two transmission units are coincident to each other, wherein said delay amount control circuit calculates an average amplitude of the comparison signal output from said comparator, and controls said delay circuits so that the average amplitude is equal to or lower than a threshold value, whereby the difference in delay time between said two trans-mission units is converged to a permissible and acceptable value range.

4. (Cancelled).

5. (Currently Amended) A transmission diversity type transmitter comprising:

plural transmission units, each transmission unit comprising a delay circuit for delaying a signal and a detector for detecting an RF signal, which is based on the signal delayed by said delay circuit, ~~the~~ an RF signal transmitting from each transmission unit;

a comparator for receiving detection signals output from a two detectors of a two corresponding transmission units of said plural transmission units, comparing the two detection signals and outputting a comparison signal; and

a delay amount control circuit for controlling ~~said~~ a two corresponding delay circuits on the basis of the comparison signal so that modulation timing of RF signals to be transmitted from said two transmission units are coincident to each other, wherein each of said plural transmission units further comprises a modulator, a frequency converter and an amplifier, and said delay circuit is provided at the input side of said modulator, and wherein a delay circuit is provided at the input of each modulator.

6. (Cancelled).

7. (Previously Presented) A transmission diversity type transmitter comprising:

plural transmission units, each transmission unit comprising a delay circuit for delaying a signal and a detector for detecting an RF signal which is based on the signal delayed by said delay circuit, the RF signal transmitting from each transmission unit;

a comparator for receiving detection signals output from two detectors of two transmission units of said plural transmission units, comparing the detection signals and outputting a comparison signal; and

a delay amount control circuit for controlling said delay circuits on the basis of the comparison signal so that modulation timing of RF signals to be transmitted from said two transmission units are coincident to each other, wherein each of said plural transmission units further comprises a modulator, a frequency converter and an amplifier, and said delay circuit is provided between said frequency converter and said amplifier.

8. (Previously Presented) A transmission diversity type transmitter comprising:

plural transmission units, each transmission unit comprising a delay circuit for delaying a signal and a detector for detecting an RF signal which is based on the signal delayed by said delay circuit, the RF signal transmitting from each transmission unit;

a comparator for receiving detection signals output from two detectors of two transmission units of said plural transmission units, comparing the detection signals and outputting a comparison signal; and

a delay amount control circuit for controlling said delay circuits on the basis of the comparison signal so that modulation timing of RF signals to be transmitted from said two transmission units are coincident to each other, wherein each of said plural transmission units further comprises a modulator, a frequency converter and an amplifier, and said delay circuit is provided at the output side of said amplifier.

9. (Previously Presented) A transmission diversity type transmitter in which the same modulation waves are transmitted from transmission units at the same time by delaying a base band signal with delay circuits, and modulation timing is made coincident among the modulation waves at a reception point to achieve a diversity gain, the transmitter comprising:

a detector for detecting an RF signal of each transmission unit and outputting a detection signal,

a comparator for comparing detection signals output from two detectors of two transmission units in said plural transmission units and outputting a comparison signal, and

a delay amount control circuit for controlling the delay circuits of said two transmission units on the basis of the comparison signal output from said comparator so that the modulation timing is coincident at transmission output terminals of said two transmission units,

wherein the base band signal is subjected to ON/OFF control, the rising timing and falling timing of the detection output when the ON/OFF control is carried out are compared with each other by said comparator, and said delay circuits are controlled by said delay amount control circuit so that the difference between the rising timing and the falling timing is within a permissible time range.

10. (Previously Presented) The transmitter as claimed in claim 3, wherein the value range to which the difference in delay time between said two transmission units is converged is specified.

11. (Cancelled).